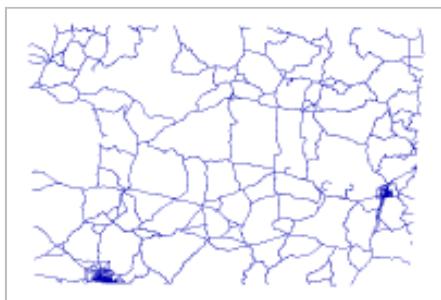


## National Highway Planning Network for the Navajo Nation



**Data format:** Shapefile

**File or table name:** NN\_Highways

**Coordinate system:** Geographic

**Theme keywords:** highways, roads, highways

**Abstract:** The National Highway Planning Network is a comprehensive network database of the nation's major highway system. It consists of over 400,000 miles of the nation's highways comprised of Rural Arterials, Urban Principal Arterials and all National Highway System routes. The data set covers the 48 contiguous States plus the District of Columbia, Alaska, Hawaii, and Puerto Rico. The nominal scale of the data set is 1:100,000 with a maximal positional error of ±80 meters.

### FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)
- [Binary Enclosures](#)

Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (\*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

### Identification Information:

#### Citation:

#### Citation information:

**Originators:** Federal Highway Administration (FHWA), Bureau of Transportation Statistics (comp.)

#### Title:

National Highway Planning Network for the Navajo Nation

\***File or table name:** NN\_Highways

**Publication date:** 2002

\***Geospatial data presentation form:** vector digital data

**Publication information:****Publication place:** Washington DC**Publisher:** Federal Highway Administration (FHWA)**Online linkage:** [Server=squirtle; Service=5151; User=sde;  
Version=SDE.DEFAULT](Server=squirtle; Service=5151; User=sde; Version=SDE.DEFAULT)**Larger work citation:****Citation information:****Originators:** Bureau of Transportation Statistics (BTS)**Title:**

National Transportation Atlas Databases (NTAD) 2002

**Publication date:** 2002**Edition:** 2002**Geospatial data presentation form:** vector digital data**Publication information:****Publication place:** Washington DC**Publisher:** Bureau of Transportation Statistics (BTS)**Online linkage:** <http://www.bts.gov/gis/>**Description:****Abstract:**

The National Highway Planning Network is a comprehensive network database of the nation's major highway system. It consists of over 400,000 miles of the nation's highways comprised of Rural Arterials, Urban Principal Arterials and all National Highway System routes. The data set covers the 48 contiguous States plus the District of Columbia, Alaska, Hawaii, and Puerto Rico. The nominal scale of the data set is 1:100,000 with a maximal positional error of ±80 meters.

**Purpose:**

The NHPN was developed for national level planning and analysis of the U.S. highway network. It is now used to keep a map-based record of the National Highway System (NHS) and the Strategic Highway Corridor Network (STRAHNET).

**\*Language of dataset:** en**Time period of content:****Time period information:****Single date/time:****Calendar date:** 2002**Currentness reference:**

publication date

**Status:****Progress:** Complete**Maintenance and update frequency:** None planned**Spatial domain:****Bounding coordinates:****\*West bounding coordinate:** -113.505568

\***East bounding coordinate:** -105.886556  
 \***North bounding coordinate:** 38.365282  
 \***South bounding coordinate:** 33.356263

**Local bounding coordinates:**

\***Left bounding coordinate:** -113.505568  
 \***Right bounding coordinate:** -105.886556  
 \***Top bounding coordinate:** 38.365282  
 \***Bottom bounding coordinate:** 33.356263

**Keywords:**

**Theme:**

**Theme keywords:** highways, roads, highways  
**Theme keyword thesaurus:** None

**Place:**

**Place keywords:** United States, US, USA, Navajo Nation, Arizona, Colorado, New Mexico, Utah  
**Place keyword thesaurus:** None

**Stratum:**

**Stratum keywords:** ground  
**Stratum keyword thesaurus:** None

**Temporal:**

**Temporal keywords:** 2002  
**Temporal keyword thesaurus:** None

**Access constraints:** None

**Use constraints:**

The NHPN Version 4.0 database, or any portion thereof, can be freely distributed as long as this metadata entry is included with each distribution. The original metadata entry cannot be modified or deleted from any data transfer. Acknowledgment of the Federal Highway Administration (FHWA) and the Bureau of Transportation Statistics (BTS) National Transportation Atlas Databases (NTAD) 2002 would be appreciated in products derived from these data.

Use of this data generally requires computer workstations with ESRI's Arc/Info (7.x or above), ArcGIS (8.x or above), or ArcView (3.x or 8.x), or some other GIS or CAD software that is capable of reading or converting this dataset.

The data are provided "as-is," without warranty of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

These data have been compiled as part of a desktop project to collect existing spatial data to support the study of Navajo abandoned uranium mines. No field verifications were undertaken as part of this desktop study.

**Point of contact:**

**Contact information:**

**Contact person primary:**

**Contact person:** Mike Neathery

**Contact organization:** Federal Highway Administration, Office of Environment and Planning

**Contact address:****Address type:** mailing and physical address**Address:**

400 Seventh Street, SW

**City:** Washington**State or province:** DC**Postal code:** 20590**Country:** USA**Contact voice telephone:** 202-366-1257**Contact facsimile telephone:** 202-493-2198**Contact electronic mail address:** mike.neathery@fhwa.dot.gov**Data set credit:**

The NHPN Version 4.0 database was created on behalf of FHWA by members of the Geographic Information Systems Laboratory, Systems Development Institute, The University of Tennessee, Knoxville.

**Security information:****Security classification system:** none**Security classification:** Unclassified**\*Native dataset format:** Shapefile**\*Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

**Cross reference:****Citation information:**

**Originators:** Federal Highway Administration (FHWA), Bureau of Transportation Statistics (comp.)

**Title:**

National Highway Planning Network 4.0 (line)

**Publication date:** 2002**Geospatial data presentation form:** vector digital data**Publication information:****Publication place:** Washington DC**Publisher:** Federal Highway Administration (FHWA)**Online linkage:** <<http://www.bts.gov/gis/>>**Larger work citation:****Citation information:****Originators:** Bureau of Transportation Statistics (BTS)**Title:**

National Transportation Atlas Databases (NTAD) 2002

**Publication date:** 2002**Edition:** 2002**Geospatial data presentation form:** vector digital data

**Publication information:****Publication place:** Washington DC**Publisher:** Bureau of Transportation Statistics (BTS)**Online linkage:** <http://www.bts.gov/gis/>[Back to Top](#)

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**Data Quality Information:****Attribute accuracy:****Attribute accuracy report:**

The accuracy of the fields FCLASS and STRAHNET from the description section of the link table is consistent with State supplied information for the years 1992 and 1993. The accuracy of the fields MILES, KM, SIGN1, and NHS from the description section of the link table is consistent with State supplied information for the years 1992 through 1999. All other attributes in the description of the link table are unverified.

**Quantitative attribute accuracy assessment:****Attribute accuracy value:** unknown**Logical consistency report:**

All node and link topological relationships and uniqueness of entity IDs are verified by computer algorithm.

**Completeness report:**

The complete urban principal arterial system and arterials in rural areas as reported to FHWA by December 1992 are inventoried in the database. Functional classes below arterial vary on a State-by-State basis. The complete National Highway System as reported to the FHWA by September 1999.

**Positional accuracy:****Horizontal positional accuracy:****Horizontal positional accuracy report:**

The elements of the NHPN have been conflated to the 1:100,000 DLG-3 data set which maintains a nominal accuracy of at least  $\pm 80$  meters. Where new roads have been added which are not in the DLG-3 database link alignments have been digitized or converted from digital sources acquired from State DOTs with a map scale of at least 1:100,000.

**Quantitative horizontal positional accuracy assessment:****Horizontal positional accuracy value:** unknown**Lineage:****Source information:****Source citation:****Citation information:****Originators:** Oak Ridge National Laboratory**Title:**

National Highway Planning Network V1.1, Bruce Peterson, Oak Ridge National Laboratory, 1992

**Source scale denominator:** unknown

**Source citation abbreviation:**

NHPN V1

**Source contribution:**

Non-verified attributes for rural highways.

**Source time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 1992

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** United States Geological Survey

**Title:**

USGS Digital Line Graph (DLG-3) Series

**Publication date:** 1978

**Source citation abbreviation:**

DLG-3

**Source contribution:**

Road alignments for rural and urban highways.

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** State Departments of Transportation

**Title:**

State supplied digital and map data

**Publication date:** 1992

**Source citation abbreviation:**

State Data

**Source contribution:**

Alignments and attributes for urban highways. Sign route and function class attributes for principal arterial system.

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** State Departments of Transportation

**Title:**

State supplied digital and map data

**Publication date:** 1993

**Source citation abbreviation:**

State Data

**Source contribution:**

Alignments, sign route NHS classification for National Highway System.

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** U.S. Census Bureau

**Title:**

CENSUS TIGER/Line 1994

**Publication date:** 1994

**Source citation abbreviation:**

TIGER

**Source contribution:**

Alignment, shape and location of ramp features

**Process step:**

**Process description:**

Conflation of NHPN V1 to DLG-3 road alignments using R-MATCH software developed by the Geographic Information Systems Group, University of Tennessee.

**Process date:** 1993

**Source used citation abbreviation:**

NHPN V1

**Source used citation abbreviation:**

DLG-3

**Process step:**

**Process description:**

Digitizing and conversion of state supplied digital and map data. Line work geodetically controlled to match DLG-3 line work.

**Process date:** 1993

**Source used citation abbreviation:**

State Data

**Source used citation abbreviation:**

DLG-3

**Process step:**

**Process description:**

Integration of conflated version of NHPN V1 and assimilated State Data into a comprehensive topologically integrated network database. States edge matched and NHS attributes verified.

**Process date:** 1994

**Process step:**

**Process description:**

Integration of supplemental State Data into the NHPN V2. NHS attributes verified.

**Process date:** 1997

**Process step:****Process description:**

Integration of intermodal connectors links into the NHPN V2. States edge matched and NHS attributes verified.

**Process date:** 1998

**Process step:****Process description:**

Update of NHS and Intermodal connector links into the NHPN V4.0 States edge matched and NHS attributes verified.

**Process date:** 2001

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## Spatial Data Organization Information:

\***Direct spatial reference method:** Vector

**Point and vector object information:**

**SDTS terms description:**

- \***Name:** NN\_Highways
- \***SDTS point and vector object type:** String
- \***Point and vector object count:** 2422

**ESRI terms description:**

- \***Name:** NN\_Highways
- \***ESRI feature type:** Simple
- \***ESRI feature geometry:** Polyline
- \***ESRI topology:** FALSE
- \***ESRI feature count:** 2422
- \***Spatial index:** FALSE
- \***Linear referencing:** FALSE

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## Spatial Reference Information:

**Horizontal coordinate system definition:**

**Coordinate system name:**

\***Geographic coordinate system name:** GCS\_North\_American\_1983

**Geographic:**

- \***Latitude resolution:** 0.000000
- \***Longitude resolution:** 0.000000
- \***Geographic coordinate units:** Decimal degrees

**Geodetic model:**

- \***Horizontal datum name:** North American Datum of 1983
- \***Ellipsoid name:** Geodetic Reference System 80
- \***Semi-major axis:** 6378137.000000

\*Denominator of flattening ratio: 298.257222

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## Entity and Attribute Information:

### Detailed description:

\*Name: NN\_Highways

### Entity type:

\*Entity type label: NN\_Highways

\*Entity type type: Feature Class

\*Entity type count: 2422

### Entity type definition:

ESRI Shapefile of the NHPN 4.0 (line)

### Entity type definition source:

BTS and FHWA

### Attribute:

\*Attribute label: FID

\*Attribute alias: FID

### \*Attribute definition:

Internal feature number.

### \*Attribute definition source:

ESRI

\*Attribute type: OID

\*Attribute width: 4

\*Attribute precision: 0

\*Attribute scale: 0

### Attribute domain values:

#### \*Unrepresentable domain:

Sequential unique whole numbers that are automatically generated.

### Attribute:

\*Attribute label: Shape

\*Attribute alias: Shape

### \*Attribute definition:

Feature geometry.

### \*Attribute definition source:

ESRI

\*Attribute type: Geometry

\*Attribute width: 0

\*Attribute precision: 0

\*Attribute scale: 0

### Attribute domain values:

#### Enumerated domain:

Enumerated domain value: Polyline

#### Enumerated domain value definition:

A "Polyline" is a single geometric segment defined by two points.

**Enumerated domain value definition source:**  
ESRI and BTS

\***Unrepresentable domain:**  
Coordinates defining the features.

**Attribute:**

\***Attribute label:** FNODE\_  
\***Attribute alias:** FNODE\_

**Attribute definition:**

From Node

**Attribute definition source:**

\***Attribute type:** Number  
\***Attribute width:** 10

**Attribute domain values:**

**Attribute:**

\***Attribute label:** TNODE\_  
\***Attribute alias:** TNODE\_

**Attribute definition:**

To Node

**Attribute definition source:**

\***Attribute type:** Number  
\***Attribute width:** 10

**Attribute domain values:**

**Attribute:**

\***Attribute label:** LPOLY\_  
\***Attribute alias:** LPOLY\_

**Attribute definition:**

Left Polygon ID

**Attribute definition source:**

\***Attribute type:** Number  
\***Attribute width:** 10

**Attribute domain values:**

**Attribute:**

\***Attribute label:** RPOLY\_  
\***Attribute alias:** RPOLY\_

**Attribute definition:**

Right Polygon ID

**Attribute definition source:**

\***Attribute type:** Number  
\***Attribute width:** 10

**Attribute domain values:**

**Attribute:**

\***Attribute label:** LENGTH

**\*Attribute alias:** LENGTH

**Attribute definition:**

County FIPS code (3 digit). Must be combined with STFIPS for complete county FIPS code.)

**Attribute definition source:**

NIST

**\*Attribute type:** Number

**\*Attribute width:** 19

**\*Attribute number of decimals:** 8

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** Federal Information Processing Standard, Publication 6-4

**Codeset source:** National Institute for Standards and Technology (NIST)

**Attribute:**

**\*Attribute label:** NHPNLIN\_

**\*Attribute alias:** NHPNLIN\_

**Attribute definition:**

Large urbanized area code from HPMS

**Attribute definition source:**

FHWA/HPMS

**\*Attribute type:** Number

**\*Attribute width:** 10

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** Highway Performance Monitoring System Field Manual

**Codeset source:** FHWA

**Attribute:**

**\*Attribute label:** NHPNLIN\_ID

**\*Attribute alias:** NHPNLIN\_ID

**Attribute definition:**

Small Urban Area Code

**Attribute definition source:**

FHWA

**\*Attribute type:** Number

**\*Attribute width:** 10

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** Small Urban Area Code Set

**Codeset source:** FHWA

**Attribute:**

**\*Attribute label:** VERSION

**\*Attribute alias:** VERSION

**Attribute definition:**

Version of the database. The version number is "40" with an implied

decimal point (i.e. 4.0).

**Attribute definition source:**  
BTS

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** 40

**Enumerated domain value definition:**

NHPN Version 4.0

**Enumerated domain value definition source:**  
FHWA

**Attribute:**

\***Attribute label:** RECID

\***Attribute alias:** RECID

**Attribute definition:**

Unique ID for the linear feature

**Attribute definition source:**

FHWA

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:**

**Unrepresentable domain:**

Unique ID for each linear feature that incorporates the State FIPS code

**Attribute:**

\***Attribute label:** SOURCE

\***Attribute alias:** SOURCE

**Attribute definition:**

The Source Flag is used to identify the original source of the coordinate

**Attribute definition source:**

FHWA

\***Attribute type:** String

\***Attribute width:** 1

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** S

**Enumerated domain value definition:**

State supplied digital data

**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**

**Enumerated domain value:** U

**Enumerated domain value definition:**

USGS Digital Line Graphs

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** T

**Enumerated domain value definition:**

U.S. Census Bureau TIGER/Line files

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** D

**Enumerated domain value definition:**

Digitized from State supplied maps

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** M

**Enumerated domain value definition:**

Military supplied data

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** H

**Enumerated domain value definition:**

unknown

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** N

**Enumerated domain value definition:**

unknown

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 0

**Enumerated domain value definition:**

unknown

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 1

**Enumerated domain value definition:**

unknown

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 2

**Enumerated domain value definition:**

unknown

**Enumerated domain value definition source:**

FHWA

**Attribute:**

\***Attribute label:** STFIPS  
 \***Attribute alias:** STFIPS

**Attribute definition:**

State FIPS code

**Attribute definition source:**

NIST

\***Attribute type:** String

\***Attribute width:** 2

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** Federal Information Processing Standard,  
 Publication 6-4

**Codeset source:** National Institute for Standards and Technology  
 (NIST)

**Attribute:**

\***Attribute label:** CTFIPS  
 \***Attribute alias:** CTFIPS

**Attribute definition:**

County FIPS code (3 digit). Must be combined with  
 STFIPS for complete county FIPS code.)

**Attribute definition source:**

NIST

\***Attribute type:** String

\***Attribute width:** 3

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** Federal Information Processing Standard,  
 Publication 6-4

**Codeset source:** National Institute for Standards and Technology  
 (NIST)

**Attribute:**

\***Attribute label:** LGURB  
 \***Attribute alias:** LGURB

**Attribute definition:**

Large urbanized area code from HPMS

**Attribute definition source:**

FHWA/HPMS

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** Highway Performance Monitoring System Field  
 Manual

**Codeset source:** FHWA

**Attribute:**

\***Attribute label:** SMURB

\***Attribute alias:** SMURB

**Attribute definition:**

Small Urban Area Code

**Attribute definition source:**

FHWA

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:****Codeset Ddomain:**

**Codeset name:** Small Urban Area Code Set

**Codeset source:** FHWA

**Attribute:**

\***Attribute label:** FNODE

\***Attribute alias:** FNODE

**Attribute definition:**

The FNODE identifies a node in the NHPN Node Table that corresponds to the starting position of the arc chain.

**Attribute definition source:**

FHWA

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:****Unrepresentable domain:**

Unique ID for each node that incorporates the State FIPS code

**Attribute:**

\***Attribute label:** TNODE

\***Attribute alias:** TNODE

**Attribute definition:**

The TNODE identifies a node in the NHPN Node Table that corresponds to the ending position of the arc chain.

**Attribute definition source:**

FHWA

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:****Unrepresentable domain:**

Unique ID for each node that incorporates the State FIPS code

**Attribute:**

\***Attribute label:** SIGN1

\***Attribute alias:** SIGN1

**Attribute definition:**

The SIGN1 field contains the designated primary Sign Route for the arc.

The character string is composed of three sub fields SIGNT1, SIGNN1, and SIGNQ1.

**Attribute definition source:**

FHWA

**\*Attribute type:** String

**\*Attribute width:** 6

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** nhpnv40schema.doc

**Codeset source:** FHWA

**Attribute:**

**\*Attribute label:** SIGN2

**\*Attribute alias:** SIGN2

**Attribute definition:**

The SIGN2 field contains the designated secondary Sign Route for the arc.

The character string is composed of three sub fields SIGNT2, SIGNN2, and SIGNQ2.

**Attribute definition source:**

FHWA

**\*Attribute type:** String

**\*Attribute width:** 6

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** nhpnv40schema.doc

**Codeset source:** FHWA

**Attribute:**

**\*Attribute label:** SIGN3

**\*Attribute alias:** SIGN3

**Attribute definition:**

The SIGN3 field contains the designated secondary Sign Route for the arc.

The character string is composed of three sub fields SIGNT3, SIGNN3, and SIGNQ3.

**Attribute definition source:**

FHWA

**\*Attribute type:** String

**\*Attribute width:** 6

**Attribute domain values:**

**Codeset Ddomain:**

**Codeset name:** nhpnv40schema.doc

**Codeset source:** FHWA

**Attribute:**

**\*Attribute label:** LNAME

**\*Attribute alias:** LNAME

**Attribute definition:**

The LNAME field contains the local street name for the arc. The name field should not contain any punctuation characters other than blank, and hyphen. Wherever possible CENSUS Feature Type abbreviations should be used to shorten the local name, thus 4th Street would be coded as 4TH ST and Oak Ridge Turnpike would be coded as OAK RIDGE TPKE.

**Attribute definition source:**

FHWA

\*Attribute type: String  
 \*Attribute width: 30

**Attribute domain values:**

Unrepresentable domain:  
 free text

**Attribute:**

\*Attribute label: MILES  
 \*Attribute alias: MILES

**Attribute definition:**

The MILES field contains an accurate measurement in miles for the arc chain.

**Attribute definition source:**

FHWA

\*Attribute type: Number  
 \*Attribute width: 19  
 \*Attribute number of decimals: 8

**Attribute domain values:**

Unrepresentable domain:  
 measured value

**Attribute:**

\*Attribute label: KM  
 \*Attribute alias: KM

**Attribute definition:**

The KM field contains an accurate measurement in kilometers for the arc chain.

**Attribute definition source:**

FHWA

\*Attribute type: Number  
 \*Attribute width: 19  
 \*Attribute number of decimals: 8

**Attribute domain values:**

Unrepresentable domain:  
 measured value

**Attribute:**

\*Attribute label: FACTYPE  
 \*Attribute alias: FACTYPE

**Attribute definition:**

The FACTYPE field is used to describe the permissible flow of traffic over the arc.

**Attribute definition source:**

FHWA

\*Attribute type: Number  
 \*Attribute width: 10

**Attribute domain values:**

**Enumerated domain:**  
**Enumerated domain value:** 1  
**Enumerated domain value definition:**  
one way flow  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 2  
**Enumerated domain value definition:**  
bi-directional flow  
**Enumerated domain value definition source:**  
FHWA

**Attribute:**  
**\*Attribute label:** TOLL  
**\*Attribute alias:** TOLL  
**Attribute definition:**  
The TOLL field is used to identify arcs that have one or more toll features associated with travel along the arc.  
**Attribute definition source:**  
FHWA  
  
**\*Attribute type:** Number  
**\*Attribute width:** 10

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** 0  
**Enumerated domain value definition:**  
not a toll road  
**Enumerated domain value definition source:**  
FHWA  
  
**Enumerated domain:**  
**Enumerated domain value:** 1  
**Enumerated domain value definition:**  
toll road  
**Enumerated domain value definition source:**  
FHWA

**Attribute:**  
**\*Attribute label:** LANES  
**\*Attribute alias:** LANES  
**Attribute definition:**  
Number of through lanes in both directions  
**Attribute definition source:**  
FHWA

**\*Attribute type:** Number  
**\*Attribute width:** 10

**Attribute domain values:**  
**Range domain:**  
**Range domain minimum:** 0

**Range domain maximum: 99****Attribute:**

\***Attribute label:** ACONTROL  
 \***Attribute alias:** ACONTROL

**Attribute definition:**

The ACONTROL field is used to describe the degree of access control to the arc from adjoining roads.

**Attribute definition source:**

FHWA

\***Attribute type:** Number  
 \***Attribute width:** 10

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** 0  
**Enumerated domain value definition:**  
 access control type unknown  
**Enumerated domain value definition source:**  
 FHWA

**Enumerated domain:**

**Enumerated domain value:** 1  
**Enumerated domain value definition:**  
 full access control  
**Enumerated domain value definition source:**  
 FHWA

**Enumerated domain:**

**Enumerated domain value:** 2  
**Enumerated domain value definition:**  
 partial access control  
**Enumerated domain value definition source:**  
 FHWA

**Enumerated domain:**

**Enumerated domain value:** 3  
**Enumerated domain value definition:**  
 no access control  
**Enumerated domain value definition source:**  
 FHWA

**Attribute:**

\***Attribute label:** MEDIAN  
 \***Attribute alias:** MEDIAN

**Attribute definition:**

The MEDIAN field is used to describe the type of median on the arc.

**Attribute definition source:**

FHWA

\***Attribute type:** Number  
 \***Attribute width:** 10

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** 0  
**Enumerated domain value definition:**  
     median type unknown  
**Enumerated domain value definition source:**  
     FHWA

**Enumerated domain:**  
**Enumerated domain value:** 1  
**Enumerated domain value definition:**  
     full median (divided highway)  
**Enumerated domain value definition source:**  
     FHWA

**Enumerated domain:**  
**Enumerated domain value:** 2  
**Enumerated domain value definition:**  
     no median (undivided highway)  
**Enumerated domain value definition source:**  
     FHWA

**Attribute:**  
**\*Attribute label:** SURFACE  
**\*Attribute alias:** SURFACE  
**Attribute definition:**  
     The SURFACE field is used to identify the predominant type of surface on the arc.  
**Attribute definition source:**  
     FHWA  
  
**\*Attribute type:** Number  
**\*Attribute width:** 10

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** 0  
**Enumerated domain value definition:**  
     surface type unknown  
**Enumerated domain value definition source:**  
     FHWA

**Enumerated domain:**  
**Enumerated domain value:** 1  
**Enumerated domain value definition:**  
     paved  
**Enumerated domain value definition source:**  
     FHWA

**Enumerated domain:**  
**Enumerated domain value:** 2  
**Enumerated domain value definition:**  
     unpaved  
**Enumerated domain value definition source:**  
     FHWA

**Enumerated domain:**  
**Enumerated domain value:** 3

**Enumerated domain value definition:**  
ferry  
**Enumerated domain value definition source:**  
FHWA

**Attribute:**

\***Attribute label:** FCLASS

\***Attribute alias:** FCLASS

**Attribute definition:**

The FCLASS field identifies the assigned functional class of each arc.  
 Standard HPMS codes should be used. The Functional Class represents the assigned classification from the 1992 Functional Reclassification by State agencies.

**Attribute definition source:**

FHWA

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:****Enumerated domain:**

**Enumerated domain value:** 0

**Enumerated domain value definition:**  
functional class unknown

**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**

**Enumerated domain value:** 1 or 01

**Enumerated domain value definition:**  
rural interstate

**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**

**Enumerated domain value:** 2 or 02

**Enumerated domain value definition:**  
rural principal arterial

**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**

**Enumerated domain value:** 6 or 06

**Enumerated domain value definition:**  
rural minor arterial

**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**

**Enumerated domain value:** 7 or 07

**Enumerated domain value definition:**  
rural major collector

**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**

**Enumerated domain value:** 8 or 08  
**Enumerated domain value definition:**  
rural minor collector  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 9 or 09  
**Enumerated domain value definition:**  
rural local  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 11  
**Enumerated domain value definition:**  
urban interstate  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 12  
**Enumerated domain value definition:**  
urban other freeway or expressway  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 14  
**Enumerated domain value definition:**  
urban principal arterial  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 16  
**Enumerated domain value definition:**  
urban minor arterial  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 17  
**Enumerated domain value definition:**  
urban collector  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 19  
**Enumerated domain value definition:**  
urban local  
**Enumerated domain value definition source:**  
FHWA

**Attribute:**

\***Attribute label:** ACCLASS

\***Attribute alias:** ACCLASS

**Attribute definition:**

The ACCLASS field identifies the administrative class associated with the arc.  
This field is used to represent the now outmoded Federal-Aid System.

**Attribute definition source:**

FHWA

\***Attribute type:** String

\***Attribute width:** 1

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** blank

**Enumerated domain value definition:**

federal aid system unknown

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** I

**Enumerated domain value definition:**

federal-aid interstate

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** P

**Enumerated domain value definition:**

federal-aid primary

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** S

**Enumerated domain value definition:**

federal-aid secondary

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** U

**Enumerated domain value definition:**

federal-aid urban

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** N

**Enumerated domain value definition:**

not on the federal-aid system

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** F

**Enumerated domain value definition:**  
direct federal system  
**Enumerated domain value definition source:**  
FHWA

**Attribute:**

\***Attribute label:** RUCODE

\***Attribute alias:** RUCODE

**Attribute definition:**

The RUCODE describes the Rural/Urban classification of the arc.

**Attribute definition source:**

FHWA

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:****Enumerated domain:**

Enumerated domain value: 1

Enumerated domain value definition:

rural

Enumerated domain value definition source:

FHWA

**Enumerated domain:**

Enumerated domain value: 2

Enumerated domain value definition:

small Urban (1990 pop 5,000 -49,999)

Enumerated domain value definition source:

FHWA

**Enumerated domain:**

Enumerated domain value: 3

Enumerated domain value definition:

large Urban (1990 >= 50,000)

Enumerated domain value definition source:

FHWA

**Attribute:**

\***Attribute label:** STATUS

\***Attribute alias:** STATUS

**Attribute definition:**

The STATUS describes availability of the arc to through traffic.

**Attribute definition source:**

FHWA

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:****Enumerated domain:**

Enumerated domain value: 0

Enumerated domain value definition:

proposed or under construction

Enumerated domain value definition source:

FHWA

**Enumerated domain:**  
**Enumerated domain value:** 1  
**Enumerated domain value definition:**  
open to traffic  
**Enumerated domain value definition source:**  
FHWA

**Attribute:**  
**\*Attribute label:** NHS  
**\*Attribute alias:** NHS  
**Attribute definition:**  
Special subnetwork for the National Highway System  
**Attribute definition source:**  
FHWA  
  
**\*Attribute type:** Number  
**\*Attribute width:** 10

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** 0  
**Enumerated domain value definition:**  
not on NHS  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 1  
**Enumerated domain value definition:**  
Interstate  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 2  
**Enumerated domain value definition:**  
ISTEA High  
Priority Corridor  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 3  
**Enumerated domain value definition:**  
Non-Interstate STRAHNET  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 4  
**Enumerated domain value definition:**  
STRAHNET Connector  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 5  
**Enumerated domain value definition:**  
 ISTEA High Priority Corridor/non-Interstate STRAHNET  
**Enumerated domain value definition source:**  
 FHWA

**Enumerated domain:**  
**Enumerated domain value:** 6  
**Enumerated domain value definition:**  
 ISTEA High Priority Corridor/STRAHNET connector  
**Enumerated domain value definition source:**  
 FHWA

**Enumerated domain:**  
**Enumerated domain value:** 7  
**Enumerated domain value definition:**  
 Other NHS  
**Enumerated domain value definition source:**  
 FHWA

**Enumerated domain:**  
**Enumerated domain value:** 8  
**Enumerated domain value definition:**  
 Approved Intermodal Connector  
**Enumerated domain value definition source:**  
 FHWA

**Enumerated domain:**  
**Enumerated domain value:** 9  
**Enumerated domain value definition:**  
 Proposed Intermodal Connector  
**Enumerated domain value definition source:**  
 FHWA

**Attribute:**  
**\*Attribute label:** STRAHNET  
**\*Attribute alias:** STRAHNET  
**Attribute definition:**  
 Special subnetwork for the Strategic Highway Corridor Network.  
**Attribute definition source:**  
 FHWA

**\*Attribute type:** Number  
**\*Attribute width:** 10

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** 0  
**Enumerated domain value definition:**  
 not part of STRAHNET  
**Enumerated domain value definition source:**  
 FHWA

**Enumerated domain:**  
**Enumerated domain value:** 1

**Enumerated domain value definition:**  
Non-Interstate STRAHNET  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 2  
**Enumerated domain value definition:**  
STRAHNET Priority 1 Connector  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 3  
**Enumerated domain value definition:**  
STRAHNET Priority 2 Connector  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 4  
**Enumerated domain value definition:**  
STRAHNET Priority 3 Connector  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 5  
**Enumerated domain value definition:**  
Temporary STRAHNET Route  
**Enumerated domain value definition source:**  
FHWA

**Attribute:**  
\***Attribute label:** TRANSAM  
\***Attribute alias:** TRANSAM

**Attribute definition:**  
Special subnetwork for the Trans-America corridor.

**Attribute definition source:**  
FHWA

\***Attribute type:** Number  
\***Attribute width:** 10

**Attribute domain values:**  
**Enumerated domain:**  
**Enumerated domain value:** 0  
**Enumerated domain value definition:**  
not part of Trans-America corridor  
**Enumerated domain value definition source:**  
FHWA

**Enumerated domain:**  
**Enumerated domain value:** 1  
**Enumerated domain value definition:**  
part of Trans-America corridor

**Enumerated domain value definition source:**  
FHWA

**Attribute:**

\***Attribute label:** SPECSYST

\***Attribute alias:** SPECSYST

**Attribute definition:**

Special subnetwork for Special System Highways.

**Attribute definition source:**

FHWA

\***Attribute type:** Number

\***Attribute width:** 10

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** 0

**Enumerated domain value definition:**

not part of a special system

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 11

**Enumerated domain value definition:**

Appalachian Development Highway

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 73

**Enumerated domain value definition:**

High Priority Route 73

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 74

**Enumerated domain value definition:**

High Priority Route 74

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 96

**Enumerated domain value definition:**

Appalachian Development Highway and High Priority Route 73  
or 74

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 97

**Enumerated domain value definition:**

Appalachian Development Highway and High Priority Interstate

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 98

**Enumerated domain value definition:**

High Priority General Corridor

**Enumerated domain value definition source:**

FHWA

**Enumerated domain:**

**Enumerated domain value:** 99

**Enumerated domain value definition:**

High Priority Interstate

**Enumerated domain value definition source:**

FHWA

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## Distribution Information:

**Distributor:**

**Contact information:**

**Contact organization primary:**

**Contact organization:** U. S. Environmental Protection Agency, Region 9,  
Superfund Records Center

**Contact address:**

**Address type:** mailing and physical address

**Address:**

75 Hawthorne St (SFD 7-C)

**City:** San Francisco

**State or province:** CA

**Postal code:** 94105

**Country:** USA

**Contact voice telephone:** 415-536-2033

**Resource description:** National Highway Planning Network for the Navajo Nation

**Distribution liability:**

Although these data have been processed successfully on a computer system for the US EPA, no warranty expressed or implied is made by the US EPA or its contractors regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty. No responsibility is assumed by US EPA or its contractors in the use of these data.

**Standard order process:**

**Digital form:**

**Digital transfer information:**

**Format name:** ESRI Shapefile

**Format version number:** 2002

**File decompression technique:** no compression applied

**Transfer size:** 81.283

**\*Dataset size:** 1.227

**Digital transfer option:****Online option:****Computer contact information:****Network address:****Offline option:****Recording capacity:****Custom order process:**

Contact the US EPA for a custom order.

**Technical prerequisites:**

Use of this data generally requires computer workstations with ESRI's Arc/Info (7.x or above), ArcGIS (8.x or above), or ArcView (3.x or 8.x), or some other GIS or CAD software that is capable of reading or converting this dataset.

**Available time period:****Time period information:****Single date/time:****Calendar date:** 2002[Back to Top](#)

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**Metadata Reference Information:****\*Metadata date:** 20061121**\*Language of metadata:** en**Metadata contact:****Contact information:****Contact organization primary:****Contact organization:** U. S. Environmental Protection Agency, Region 9, Superfund Records Center**Contact address:****Address type:** mailing and physical address**Address:**

75 Hawthorne St (SFD 7-C)

**City:** San Francisco**State or province:** CA**Postal code:** 94105**Country:** USA**Contact voice telephone:** 415-536-2033**\*Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata**\*Metadata standard version:** FGDC-STD-001-1998**\*Metadata time convention:** local time**Metadata access constraints:** None**Metadata use constraints:**

None

**Metadata security information:**

**Metadata security classification system:** none

**Metadata security classification:** Unclassified

**Metadata extensions:**

\***Online linkage:** <http://www.esri.com/metadata/esriprof80.html>

\***Profile name:** ESRI Metadata Profile

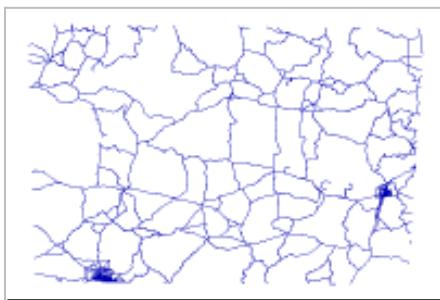
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**Binary Enclosures:**

**Thumbnail:**

**Enclosure type:** Picture



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